

# Notice of Allowability

Application No.

09/820,735

Examiner

Vincent E Kovalick

Applicant(s)

MATSUEDA, YOJIRO

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment dated 8/10/04.
2. ☒ The allowed claim(s) is/are 1,2,4,5,8-13,19,21-30,32 and 36.
3. ☒ The drawings filed on 30 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Response to Amendment*

1. This Office Action is in response to Applicant's Amendment After Final Rejection, dated August 10, 2004, in response to USPTO Office Action dated June 10, 2004.

The cancellation of claims 3, 6-7, 14-18, 20, 31, 33-35 and 37-38, and the amendments to independent claims 1 and 2 are sufficient to place the application in a condition for allowance as indicated hereinbelow.

### *Allowable Subject Matter*

2. Claims 1-2, 4-5, 8-13, 19, 21-30, 32 and 36 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the major difference between the teachings of the prior art of record (USP 5,945,972, Okumura et al. ; USP 5,515,068, Uragami et al. ; USP 6,518,941, Kimura ; USP 6,583,777, Hebiguchi et al. and USP 6,278,428, Smith) and that of the instant invention is that said prior art **does not teach** said display device including a plurality of read lines disposed correspondingly to the plurality of dots, read out of the data signal held by the storing section being performed when a read signal is transmitted through a respective different one of the plurality of read lines.

Relative to claim 2, , the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** said display device wherein

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a duration that no conversion into the analog value is made being provided in the constant period.

Regarding claim 28, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** said display device comprising a substrate wherein the plurality of write lines, the plurality of data lines, the active-matrix section, the column decoder section, the row decoder section and the timing controller section being integrally formed on the substrate.

Regarding claim 29, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** said display device comprising a substrate wherein the plurality of write lines, the plurality of data lines, the active-matrix section, the column decoder section, the row decoder section and the memory controller section being integrally formed on the substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No.	6,388,661	Richards
U. S. Patent No.	6,323,867	Nookala et al.
U. S. Patent No.	6,258,606	Kovacs
U. S. Patent No.	6,064,158	Kishita et al.
U. S. Patent No.	5,841,897	Nulmakura et al.

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***Responses***

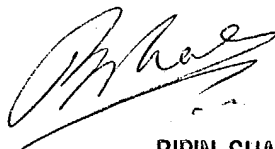
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E Kovalick whose telephone number is 703 306-3020. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703 305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Vincent E. Kovalick  
October 7, 2004



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SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600